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FIG. 1

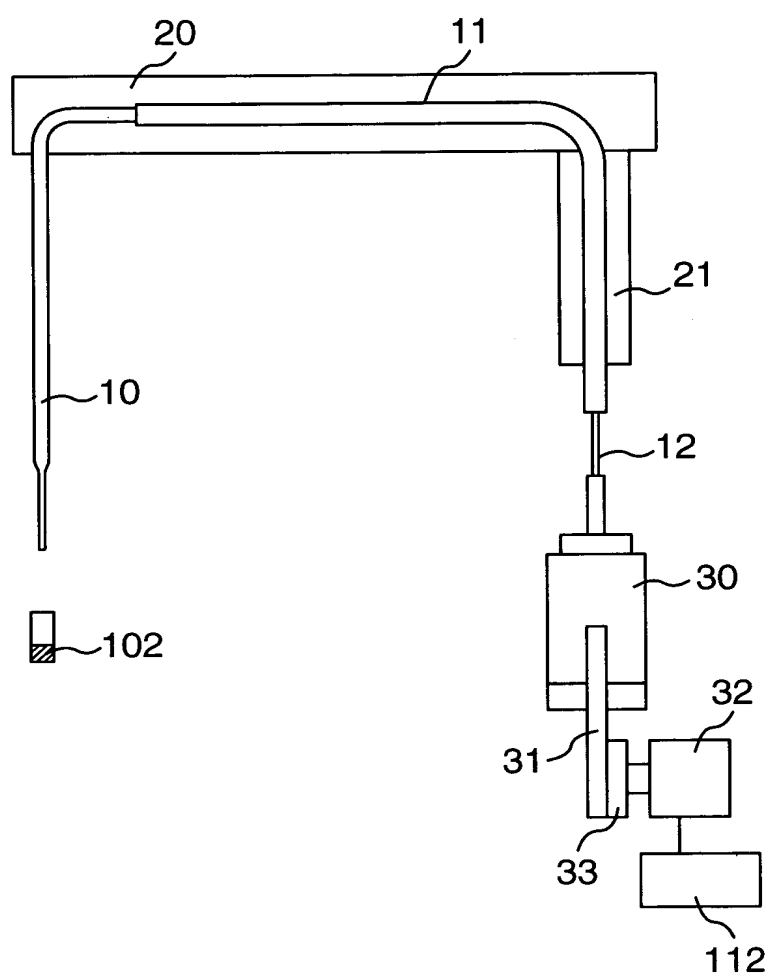


FIG. 2

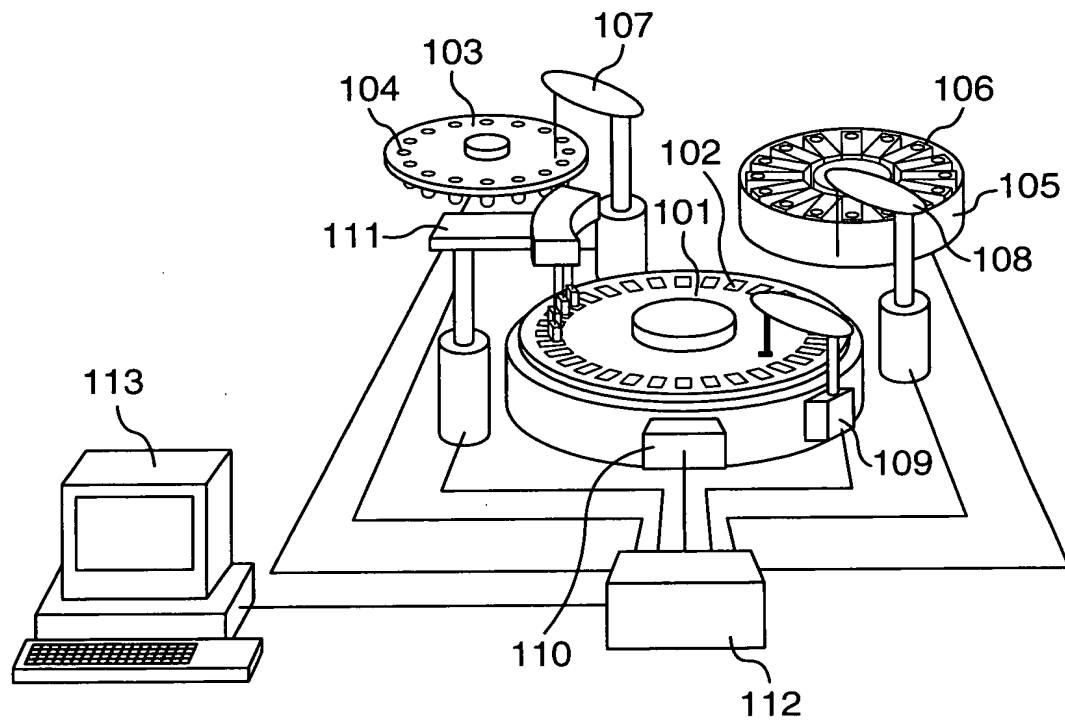
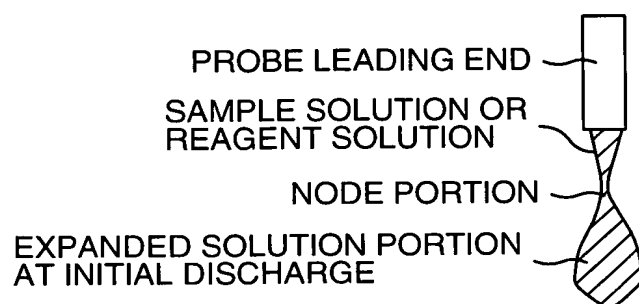
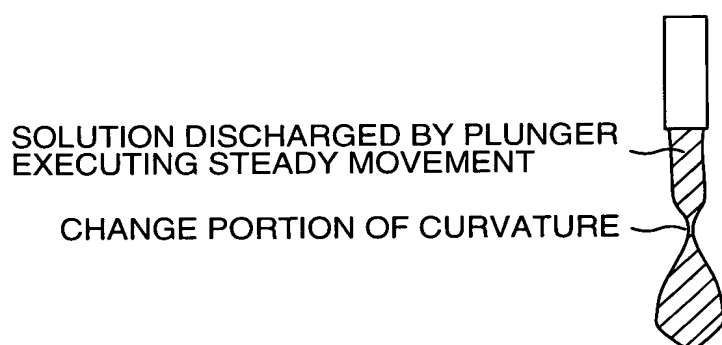


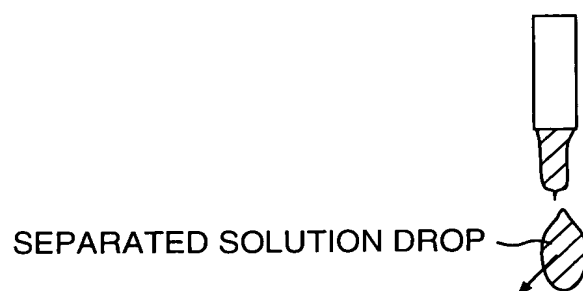
FIG. 3



(a) JUST AFTER STARTING DISCHARGE (FIRST STAGE)

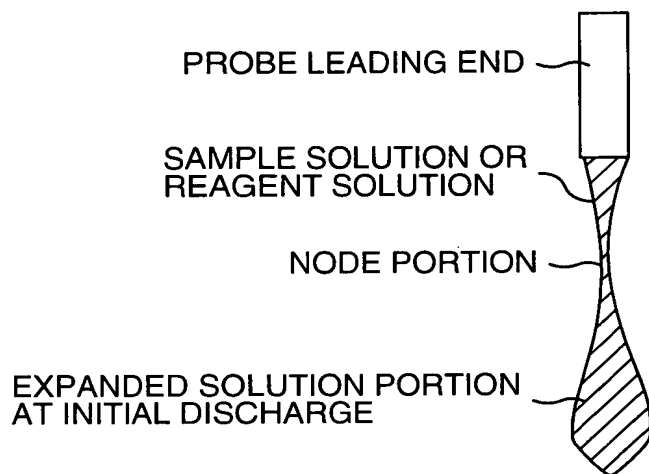


(b) JUST AFTER STARTING DISCHARGE (SECOND STAGE)

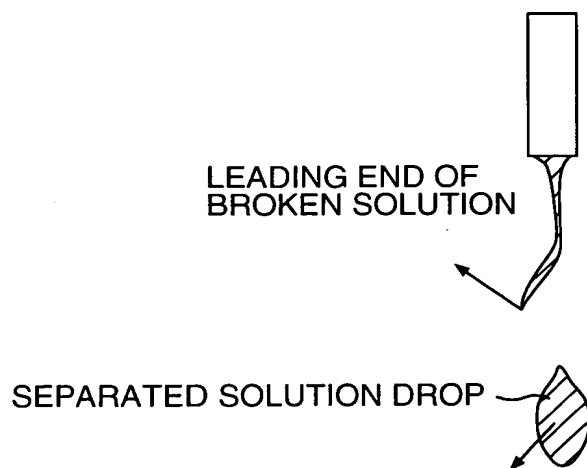


(c) JUST AFTER STARTING DISCHARGE (THIRD STAGE)

FIG. 4

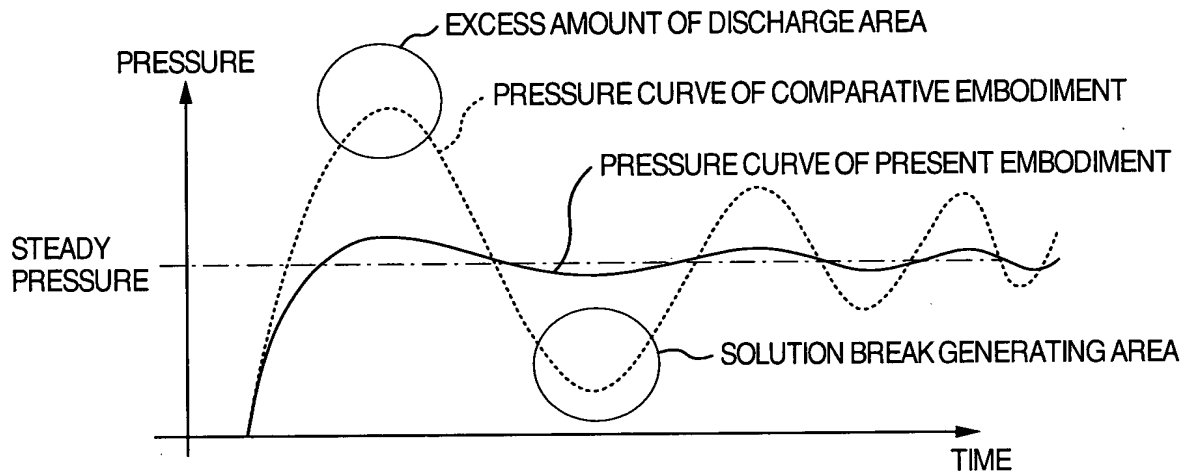


(a) JUST AFTER STOPPING DISCHARGE (FIRST STAGE)

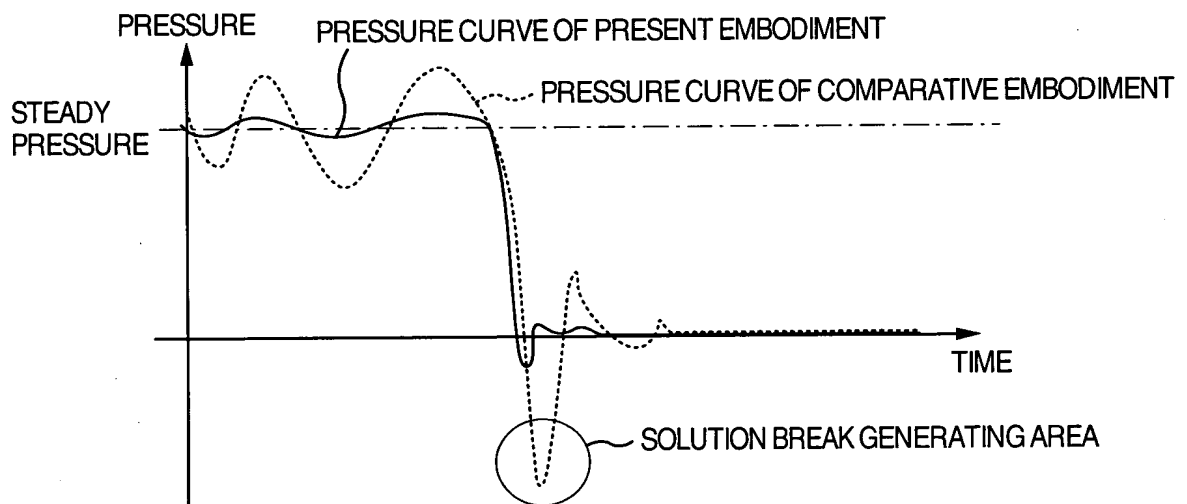


(b) JUST AFTER STOPPING DISCHARGE (SECOND STAGE)

FIG. 5



(a) DISCHARGE STARTING TIME



(b) DISCHARGE FINISHING TIME

FIG. 6

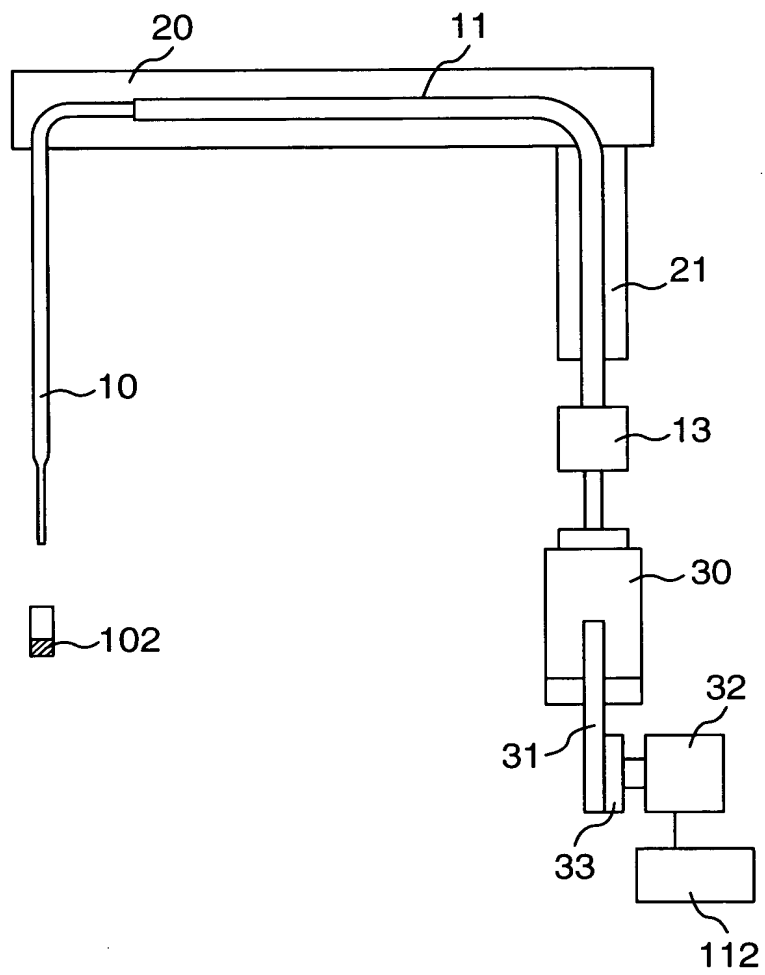


FIG. 7

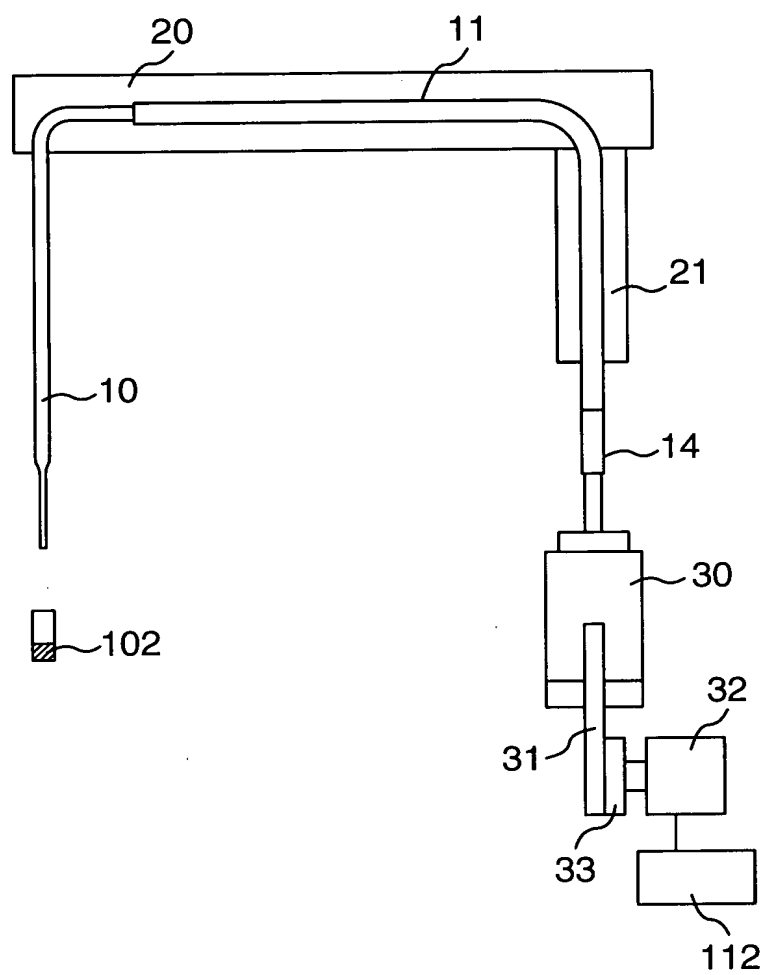


FIG. 8

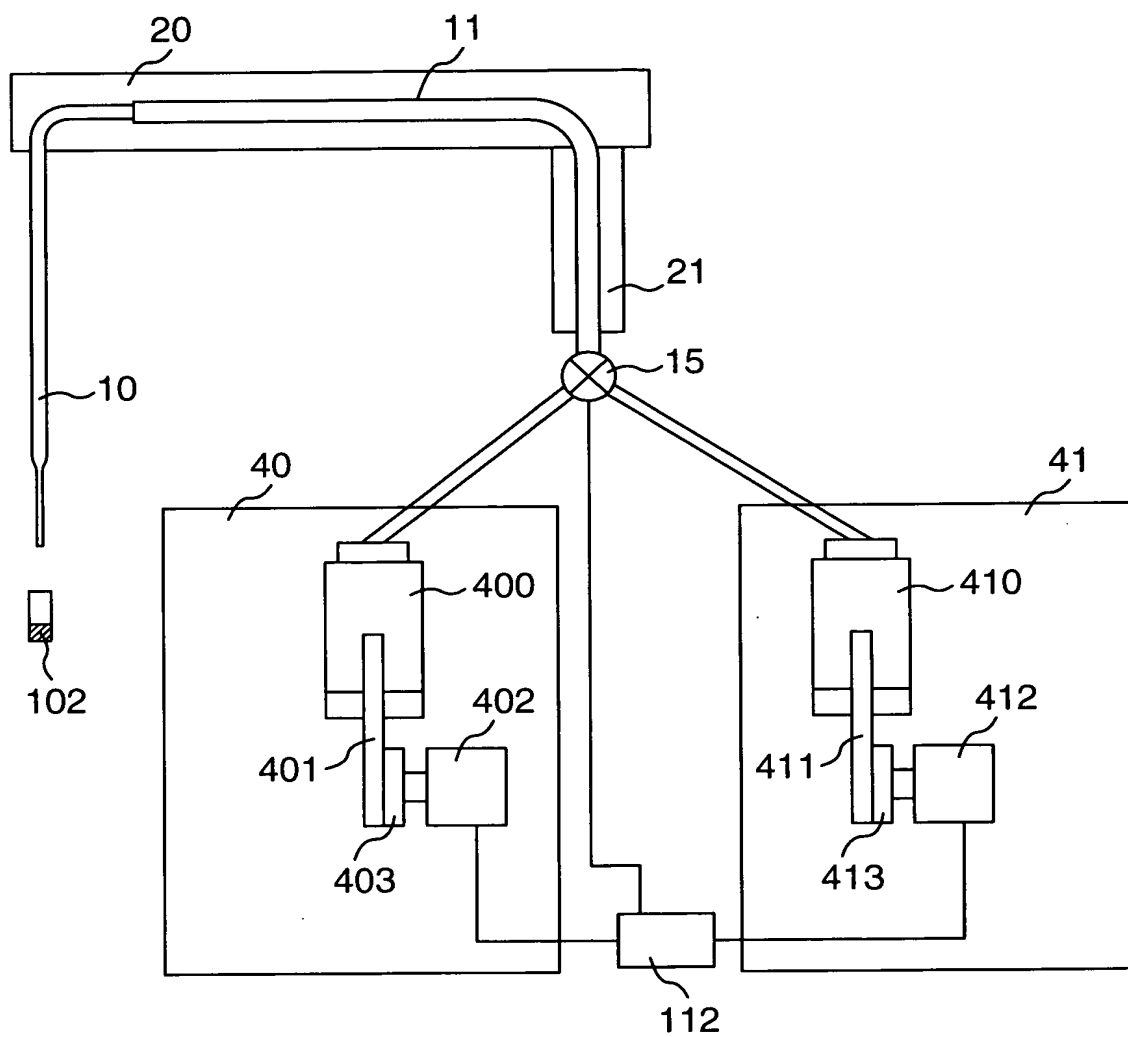
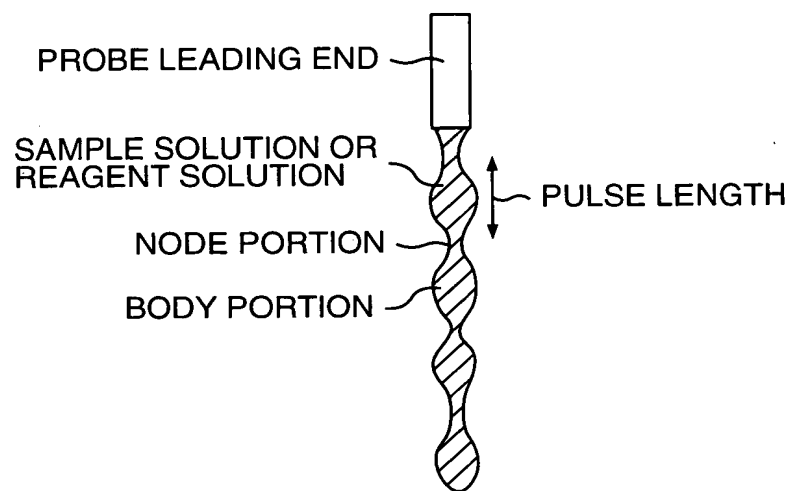
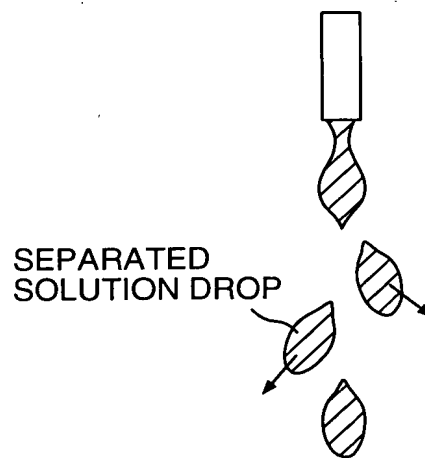


FIG. 9

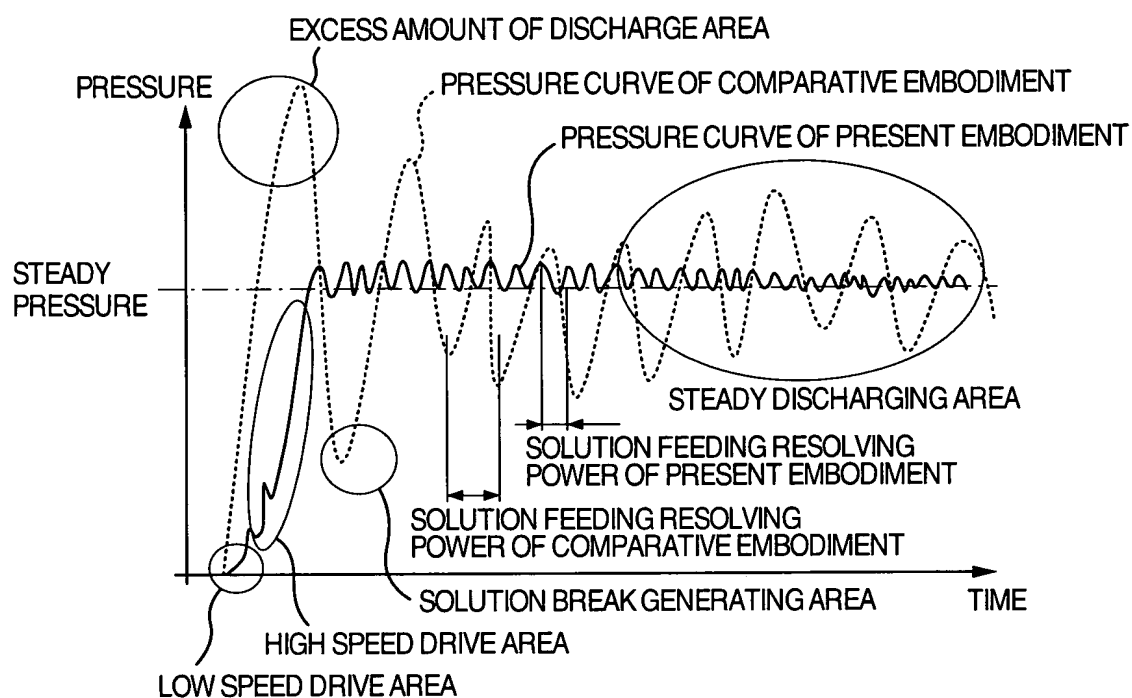


(a)

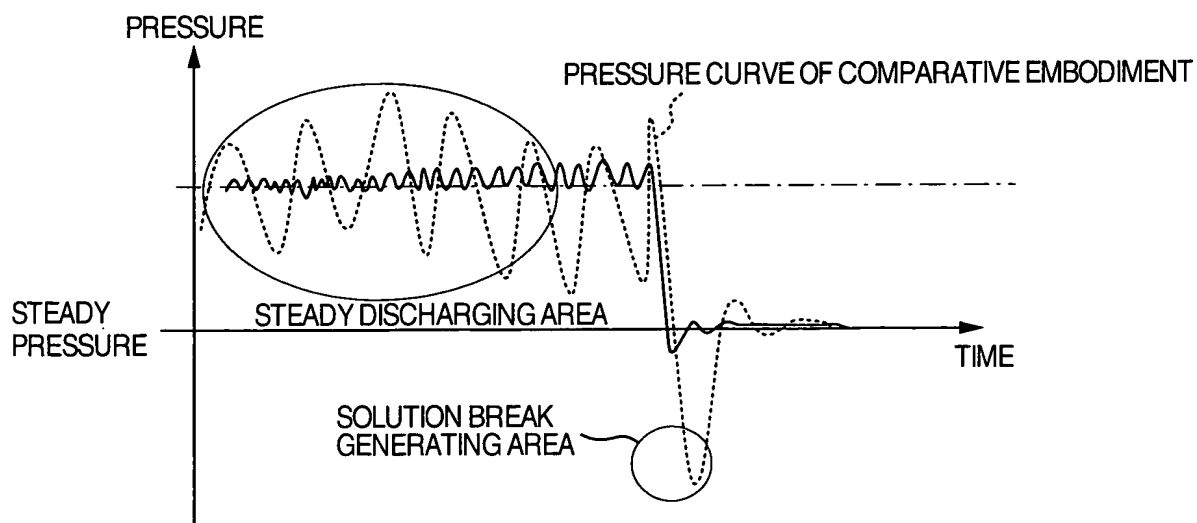


(b)

FIG. 10



(a) DISCHARGE STARTING TIME



(b) DISCHARGE FINISHING TIME

FIG. 11

